

SYSTEM AND APPARATUS FOR  
ANTENNA IDENTIFICATION AND CONTROL

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ABSTRACT OF THE DISCLOSURE

An antenna (104) and antenna interface system (200) are provided that allow both RF and baseband signals to be transported over a single antenna/communication device coaxial center connector (110, 120). A single wire memory device (134) is embedded into the antenna (104) and electrically coupled to the antenna's center  
10 conductor (110). Frequency diplexing (114, 116) is used to transport the single wire bus communications between the antenna (104) and the communication device, such as a radio (102).